

# Converting Colors

$Y_{xy}(77.0016, 0.2264, 0.3314)$

Have a look what the booklet for  
Yxy(77.0016, 0.2264, 0.3314)  
contains.

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# Color

**Yxy(76.7051, 0.2263, 0.3312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17FCFA
RGB	23, 252, 250
RGB Percent	9%, 99%, 98%
CMY	0.9115, 0.0117, 0.0196
CMYK	0.91, 0.00, 0.01, 0.01
HSL	179°, 97%, 54%
HSV	179°, 91%, 99%
XYZ	52.4105, 76.7051, 102.4819
YIQ	183.3010, -135.8420, -49.1700

# Conversions

## Conversions Part 2

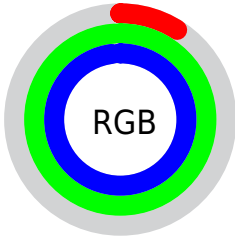
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	23, 138, 252
Decimal	1572090
CIE Lab	90.19, -47.68, -12.92
CIE LCh	90, 49.405, 195.163
Yxy	76.7051, 0.2263, 0.3312
Android (android.graphics.Color)	4279762170 (0xFF17FCFA)
YUV	183.3010, 32.8826, -140.5840
Hunter-Lab	87.5814, -46.4495, -8.0701

# Details

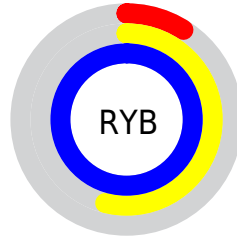
The Yxy color **76.7051, 0.2263, 0.3312** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.3620, 0.6263, 0.3294**, and the grayscale version is **47.3286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0251, 0.2460, 0.3288**, and **42.9253, 0.2251, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **76.5184, 0.2254, 0.3314**, and if you desaturate by 10%, it is **77.1675, 0.2286, 0.3309**.

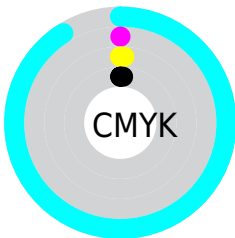
# Distribution



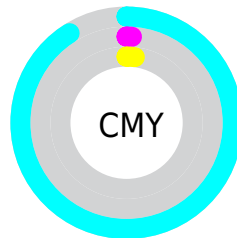
- Red (9%)
- Green (99%)
- Blue (98%)



- Red (9%)
- Yellow (54%)
- Blue (99%)



- Cyan (91%)
- Magenta (0%)
- Yellow (1%)
- Black (1%)




- Cyan (91%)
- Magenta (1%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7051, 0.2263, 0.3312 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 76.7051, 0.2263, 0.3312 by changing the saturation by 10% instead.




 76.7051, 0.2263,  
0.3312


 76.7051, 0.2263,  
0.3312


483.7580, 0.2647,  
0.3315


 57.0109, 0.2180,  
0.3309

 128.7231, 0.2393,  
0.3315


 41.0140, 0.2079,  
0.3303


 161.8157, 0.2444,  
0.3316

 28.3300, 0.1955,  
0.3293


 200.1432, 0.2489,  
0.3316

 18.5746, 0.1800,  
0.3277

 244.0900, 0.2528,  
0.3316

 11.3633, 0.1600,  
0.3249

294.0404, 0.2563,  
0.3316

 6.3117, 0.1337,  
0.3197


350.3790, 0.2594,


 3.0355, 0.0984,


0.3315


413.4900, 0.2622,  
0.3315


0.3093


 1.1503, 0.0000,  
0.3015

 0.0206, 0.0000,  
0.0217

 76.7051, 0.2263,  
0.3312

 76.7051, 0.2263,  
0.3312


 76.5184, 0.2254,  
0.3314

 77.1675, 0.2286,  
0.3309


 77.9740, 0.2327,  
0.3306


 79.1788, 0.2388,  
0.3304

 80.8250, 0.2468,  
0.3301

 82.9501, 0.2567,  
0.3299

 85.5874, 0.2684,  
0.3296

 88.7674, 0.2815,  
0.3294

 92.5182, 0.2958,  
0.3292

 96.8660, 0.3111,  
0.3290

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7051, 0.2666, 0.3904



76.7051, 0.2263, 0.3312



76.7051, 0.2087, 0.2785

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7051, 0.2263, 0.3312



76.7051, 0.2948, 0.2486



76.7051, 0.4174, 0.4047

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.7051, 0.2263, 0.3312



21.3620, 0.6263, 0.3294

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7051, 0.4291, 0.3623



76.7051, 0.2263, 0.3312



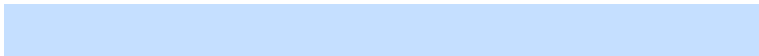
76.7051, 0.3545, 0.2770

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7051, 0.2263, 0.3312



76.7051, 0.2452, 0.2373



76.7051, 0.4057, 0.3171



76.7051, 0.3772, 0.4324



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7051, 0.2263, 0.3312



76.7051, 0.2105, 0.2546



76.7051, 0.4057, 0.3171



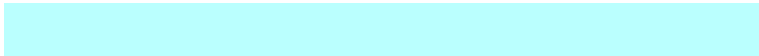
76.7051, 0.4250, 0.3915

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



76.7080, 0.2263, 0.3312



89.1590, 0.2735, 0.3295



69.9139, 0.3007, 0.5938



18.8560, 0.2691, 0.3296



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7080, 0.2263, 0.3312



78.5965, 0.2254, 0.3315



26.2896, 0.1837, 0.1759



19.6058, 0.2982, 0.3292



39.8559, 0.2254, 0.3314



3.6922, 0.2253, 0.3311



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.3620, 0.6263, 0.3294



21.2649, 0.6395, 0.3296



37.6609, 0.5305, 0.4098



17.2277, 0.3293, 0.3288



10.7841, 0.6392, 0.3295

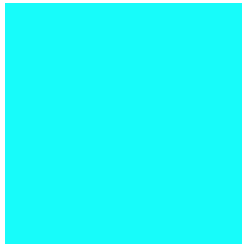


0.9996, 0.6369, 0.3282



# Previews

## White Background



This preview shows how the Yxy color 76.7051, 0.2263, 0.3312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

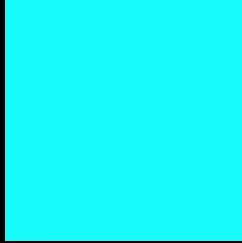
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.7051, 0.2263, 0.3312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

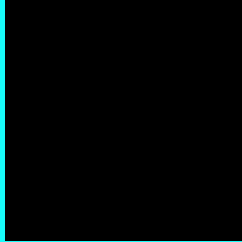
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

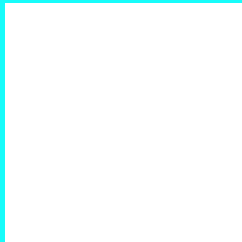
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.7051, 0.2263, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.7051, 0.2263, 0.3312.



This preview shows how white text looks on a background with the Yxy color 76.7051, 0.2263, 0.3312.

# Color Blindness Simulation

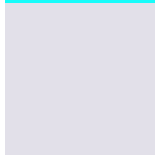
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

76.7051, 0.2263, 0.3312



### Protanopia

75.3633, 0.3083, 0.3195



### Deuteranopia

75.3953, 0.2979, 0.2932



## Tritanopia

75.9702, 0.2505, 0.3128

# Trichromacy



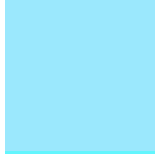
## Original Color

76.7051, 0.2263, 0.3312



## Protanomaly

71.7530, 0.2609, 0.3230



## Deuteranomaly

71.7736, 0.2552, 0.3048



## Tritanomaly

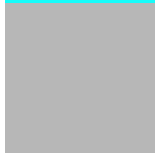
75.0493, 0.2362, 0.3193

# Monochromacy



## Original Color

76.7051, 0.2263, 0.3312



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

53.9767, 0.2586, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.7051, 0.2263, 0.3312 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(23, 252, 250)` looks like.

```
.text, #text, p{  
    color:rgb(23, 252, 250)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(23, 252, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 252, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 76.7051, 0.2263, 0.3312 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(23, 252, 250) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(23, 252, 250) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(23, 252, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 252, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 252, 250);  
box-shadow:4px 4px 4px 4px rgb(23, 252,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.7051, 0.2263, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 252, 250) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(23, 252,  
250) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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